

Title (en)

POSITIVE ELECTRODE SHEET, SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK, AND ELECTRICAL DEVICE

Title (de)

POSITIVELEKTRODENFOLIE, SEKUNDÄRBATTERIE, BATTERIEMODUL, BATTERIEPACK UND ELEKTRISCHE VORRICHTUNG

Title (fr)

FEUILLE D'ÉLECTRODE POSITIVE, BATTERIE SECONDAIRE, MODULE DE BATTERIE, BLOC-BATTERIE ET DISPOSITIF ÉLECTRIQUE

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Application

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Abstract (en)

The present invention provides a positive electrode plate, a secondary battery comprising the positive electrode plate, as well as a battery module, a battery pack, and a power consuming device. The positive electrode plate of the present invention comprises: a positive current collector and a positive film layer comprising a first positive film layer and a second positive film layer, wherein the first positive film layer is disposed on at least one surface of the positive current collector and comprises a first positive active material comprising a hollow particle material, and the second positive film layer is disposed on the first positive film layer and comprises a second positive active material comprising a solid particle material. By means of the positive electrode plate of the present invention, the diffusion path of Li^{+} in the active material can be reduced; the BET of the active material can be increased, thereby increasing the reaction area of the active material; and the battery cell capacity and the compacted density can be increased, and the energy density of a battery cell can be effectively increased.

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